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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	
		Filing Date	
		First Named Inventor	Smith, John
		Art Unit	
		Examiner Name	
Sheet	1	of	15
		Attorney Docket Number	7719.116

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

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Attorney Docket Number 7719.116

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U. S. PATENT DOCUMENTS		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Document Number	Publication Date MM-DD-YYYY		
		Number-Kind Code ² (7 known)			
	A	US- 3,868,158	02.25.1975	Laboue	**
	B	US- 4,258,967	03.31.1981	Boudreau	*
	C	US- 4,672,509	06.09.1987	Speraw	**
	D	US- 4,699,270	10.13.1987	Bohm	**
	E	US- 4,774,631	09.27.1988	Okuyama	**
	F	US- 4,879,634	11.07.1989	Storrow	*
	G	US- 4,977,532	12.11.1990	Borkowicz	*
	H	US- 5,010,444	04.23.1991	Storrow	*
	I	US- 5,216,579 A	06.01.1993	Basara	*
	J	US- 5,460,441 A	10.24.1995	Hastings	*
	K	US- 5,570,740 A	11.05.1996	Flores	**
	L	US- 5,571,256 A	11.05.1996	Good	*
	M	US- 5,684,671 A	11.04.1997	Hobbs	*
	N	US- 5,877,938 A	03.02.1999	Hobbs	*
	O	US- 5,896,273 A	04.20.1999	Varghese	*
	P	US- 6,025,989 A	02.15.2000	Ayd	*
	Q	US- 6,058,025 A	05.02.2000	Ecker	*
	R	US- 6,069,797 A	05.30.2000	Widmayer	**
	S	US- 6,075,698 A	06.13.2000	Hogan	*

FOREIGN PATENT DOCUMENTS

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ²Applicant's unique citation designation number (optional). ³See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ⁴Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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* disclosed in pre-examination search

** disclosed in co-pending US Application

*** disclosed by 3rd party

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INFORMATION DISCLOSURE
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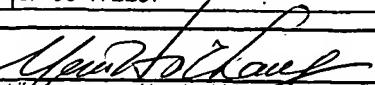
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		Number-Kind Code ² (if known)			
affu	T	US- 6,185,098 B1	02.06.2001	Benavides	**
affu	U	US- 6,220,456 B1	04.24.2001	Jensen	*
affu	V	US- 6,305,556 B1	10.23.2001	Mayer	*
affu	W	US- 6,315,249 B1	11.13.2001	Jensen	*
affu	X	US- 6,325,636 B1	12.04.2001	Hipp	*
affu	Y	US- 6,496,366 B1	12.17.2002	Coglitore	**
affu	Z	US- 2002/0006026 A1	01.17.2002	Takahashi	**
affu	AA	US- 6,499,609 B2	12.31.2002	Patriche	**
affu	BB	US- Re 35,915	10.06.1998	Hastings	*
affu	CC	US- Des. 407,385	03.30.1999	Belanger	*
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
affu	DD	JP 11-135694	05.21.1999	Kondo Yoshihiro	**	✓
affu	EE	JP 8-278834			**	
affu	FF	JP 03-164999	07.16.1991	Kajiwara Shinji	***	✓
affu	GG	JP 05-183282	07.23.1993	Fujita Shuhei	***	✓
affu	HH	JP 07-312494	11.28.1995	Nakagawa Ryoich	***	✓
affu	II	JP 08-172287	07.02.1996	Kaneko Masahiko	***	✓

Examiner Signature		Date Considered	3/5/04
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Sheet 3

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Location Number

• Date

Named Inventor

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Miner Name

Smith, John

Casey Docket Number 7719.1

Casey Docket Number 7719.116

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

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		Foreign Patent Document	Publication Date MM-DD-YYYY			
		Country Code ² Number ⁴ Kind Code ⁵ (if known)				
	JJ	PCT/JP85/00640	11.15.1985	Katsuo Okuyama	***	✓
	KK	JP U4-28496	03.06.1992	Junichi	***	✓
	LL	JP 63-50196			***	
	MM	JP 57-128194			***	
	NN	JP 57-6296	01.13.1982	Masahira Abe	***	✓
	OO	JP 62-73592			***	

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*** disclosed by third party

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U. S. PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
YK	PP	JP 08-88489	02.04.1996	Hakamadani	***	✓
YK	QQ	JP 56-15097				

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<p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(Use as many sheets as necessary)</i></p>				
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Examiner Name				
Sheet	5	of	5	Attorney Docket Number
				7719.116

NON-PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	3/5/04
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This collection of information is required by 37 CFR 1.56. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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